

The courses are semestral, divided into Fall and Spring semesters. Total credit points (ECTS) required for obtaining the MSc amount to 90 ECTS, distributed in three semesters (30 ECTS per semester).

**Course attendance is mandatory.**

### A. Core courses (first semester)

Graduate students must choose three (3) out of four (4) courses among DPHA\_1, DPHA\_2, DPHA\_3 & DPHA\_4. Courses DPHA\_5 και DPHA\_6 are mandatory for all.

- [DPHA\\_1 Design and Discovery of Bioactive Compounds, 8 ECTS](#)
- [DPHA\\_2 Design and Development of Pharmaceutical Products, 8 ECTS](#)
- [DPHA\\_3 Pharmaceutical Analysis-Biospectroscopy, 8 ECTS](#)
- [DPHA\\_4 Preclinical and Clinical Drug Evaluation, 8 ECTS](#)
- [DPHA\\_5 Research Methodology and Ethics, 4 ECTS](#)
- [DPHA\\_6 Literature-based seminar, 2 ECTS](#)

### B. Specialization courses (second semester)

Graduate students should choose two (2) courses from the **specialization** they have enrolled in and one (1) from any specialization. ECTS credits for all specialization courses are 5.

#### 1. Medicinal Chemistry - Natural Products

[DPHA\\_A01 Natural Products in Drug Discovery](#)

[DPHA\\_A02 Modern methods in drug synthesis](#)

[DPHA\\_A03 Biomolecular NMR and protein architecture](#)

#### 2. Industrial Pharmacy

[DPHA\\_B01 Nanomedicines and special systems for administration and/or targeting of drugs/imaging agents](#)

[DPHA\\_B02 Statistics and quality management in Pharmacy](#)

[DPHA\\_B03 Applied pharmaceutical analysis and characterization of pharmaceutical formulations](#)

#### 3. Molecular Pharmacology and Biotechnology

[DPHA\\_C01 Molecular Targets of Drug Action](#)

[DPHA\\_C02 Applied Biotechnology and Bioinformatics](#)

[DPHA\\_C03 Precision Therapeutics](#)

**C. Diploma thesis (second and third semesters)**

- DPHA DIP1 Diploma thesis (2nd semester), 15 ECTS
- DPHA DIP2 Diploma thesis (3rd semester), 30 ECTS